

WINDRIVE

Hard Disk Support for PC DOS 1.10 and 2.00

HARD DISK SUPPORT. WINDRIVE is our software support for add-on hard disk systems for the PC, XT, or compatible machine. In addition to supporting a variety of hard disks—Datamac, Davong, QCS, and Corvus, as well as any hard disk using Xebec, Western Digital, or DTC host adaptors or controller boards—WINDRIVE allows the user to divide up the hard disk into multiple volumes (XT included). This gives the user a method of organizing the vast storage space provided by hard disk systems. WINDRIVE offers up to 33 different volumes to the user, and can be used with DOS 1.10, 2.00, or BOTH! WINDRIVE is delivered with the source code for the drivers and one driver listing.

JSPPOOL

Printspooler

PRINTSPOOLER. JSPPOOL is an installable device driver printspooler. Compatible with both parallel AND serial ports, JSPPOOL allows Xon/Xoff protocol, and has nine special processing commands. These commands can be input by the user directly, or placed at the top of text files and automatically input as the spooler processes each file. With these commands you can set tabs, odd/even page boundaries, and the baud rate. These commands also control pausing or continuing print execution, flushing the spooler buffer, and directing output to one of seven printers.

JSPPOOL's efficient algorithm allows each printer to run at full speed with no noticeable effect on the CPU response time. JSPPOOL permits the user to change the size of the spooler buffer from the default size of two kilobytes to anything up to two Megabytes. JSPPOOL, delivered with the source code for the drivers, is available now.

Tall Tree Support for DOS 1.10

JFORMAT

Tall Tree has not abandoned the support of DOS 1.10 users. We provide an electronic disk, quad- and eight-inch drive support, a printspooler, and hard disk support for DOS 1.10 in a single package, all for just \$60.00.



ABOUT TALL TREE SYSTEMS

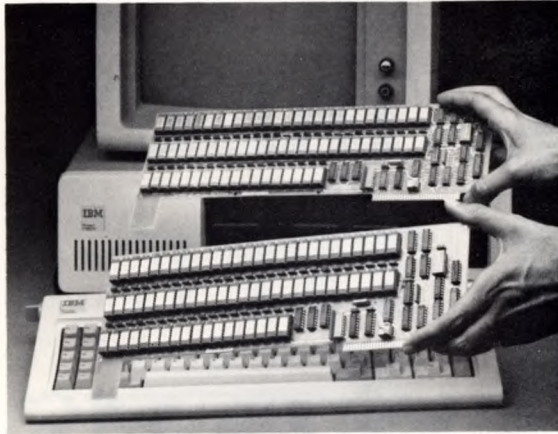
Tall Tree Systems, the brainchild of John Henderson, is a growing company that manufactures both hardware *and* software for use on the IBM PC, XT, and compatible machines. Every product we make adds a new dimension to your system, and each new product builds upon the last, creating a symbiotic relationship that offers the user the speed and flexibility available nowhere else. That's what we're about: growth in user capabilities, hence the choice of a tall tree as our corporate symbol. We focus solely on computers compatible with the IBM Personal Computer and are widely respected as specialists in this field. Our goal is to provide versatility and compatibility for any peripheral that can be used with a PC.

TALL TREE SYSTEMS

PRODUCT DATASHEET

OCTOBER, 1983

TALL TREE SYSTEMS
1032 ELWELL COURT, SUITE 124
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(415) 964-1980



JRAM

512K-Byte Memory Board

Do you need more memory in your IBM PC, XT, or compatible machine? Add 512K bytes with Tall Tree's JRAM board. Do you need more than 512K? Add *four* JRAM boards, and increase your memory capacity to two megabytes. *YES* this is possible, regardless of what IBM, or your dealer, says!

- JRAM comes fully assembled and tested.
- JRAM is fully warranted for one year.
- JRAM has been shipped unchanged since March, 1982.
- All RAM locations are socketed.
- Memory parity is checked.
- Software controlled hardware pager.
- Memory relocation on any 64K segment boundary.

Tall Tree's unique hardware pager is a small, high-speed memory chip on the JRAM board controlled by our software (included with every board). This pager allows each 64K band of memory to be referenced through any 64K-byte address boundary accessed by the CPU. This is the feature that places Tall Tree in a class by itself in the business of providing usable memory over 640K. The JRAM is the only board providing usable memory above the 640K-byte boundary.

Technical Specifications:

Memory device	64K dynamic RAM
Card Size	4.2" x 13.3"
Maximum supply current	500 milliamperes
Maximum access time	275 nanoseconds

JETDRIVE

JETDRIVE features two essential utilities for the DOS 2.00 user—

- Electronic disk
- High-Speed File Transfer

ELECTRONIC DISK. JETDRIVE's electronic disk emulates the function of a diskette drive in memory. Go from the groaning of the stepping motor in a diskette drive to the golden silence of the electronic environment. Let the PC wait for you instead of sitting idly by while the machine hunts each diskette, one sector per revolution, and burns out the diskette drive in the process.

JETDRIVE's electronic disk can vary in size from 64K bytes to two megabytes. Memory can be allocated between DOS and the electronic disk *without* changing the switches on the mother board. Using the DOSSIZE or JBOOT utility, the user can set the size of the system memory to any multiple of 64K. The rest of the total memory in the computer is automatically allocated to the electronic disk. JETDRIVE's electronic disk can be used with any memory board. However, if you wish to increase the size of your memory beyond 640K, you must use the JRAM board.

HIGH-SPEED FILE TRANSFER. JETDRIVE's high-speed file transfer utility is superior to both the Copy and Diskcopy routines in PC DOS. Diskcopy, since it does not differentiate between good and bad tracks, is dangerous to use with diskettes containing bad spots (since it will copy data to bad tracks, making it inaccessible). Copy is safer than Diskcopy, but is extremely slow. JETDRIVE's file transfer utility is as safe as the Copy routine *and* it is faster than Diskcopy. Unlike Diskcopy, our file transfer routine copies files between drives of different sizes, i.e., between a single and a dual or between a diskette and an Electronic Disk. This utility also makes possible the duplication of quad- (96 tpi) and ten-sector diskettes. JETDRIVE also allows you to dump and restore large volumes from a hard disk to/from multiple diskettes. JETDRIVE, delivered with the source code and listing for the electronic disk driver, is available now.

JFORMAT-2

JFORMAT-2 features:

- Quad Density Diskette Drive Support
- Eight-Inch Diskette Drive Support
- Drivetec, Amlyn High-Density Diskette Drive Support
- Formatting Utility allows Ten-Sector Diskettes (400K)

QUAD-DENSITY DISKETTE DRIVE SUPPORT.

Tall Tree's JFORMAT-2 supports quad drives and the new Drivetec and Amlyn diskette drives (which hold up to 2.76 Megabytes on a single 5¼" diskette). Quad-density diskette drives read and write diskettes with 80 tracks per side and 96 tracks per inch. This technology supplies us with a two-fold increase in the amount of data contained on a 5¼" diskette, and is just as reliable as a double-sided, double-density diskette. Installing quad drives does not require any change in the IBM controller, the cable, or the drive itself. A quad drive will read from or write on diskettes created on a single or dual drive. Diskettes written on a quad drive will not read reliably on a single or dual drive, however. JFORMAT-2 also allows the user to reformat conventional (dual-sided, double-density) diskettes in ten-sector formats, permitting 400K bytes per diskette.

EIGHT-INCH DISKETTE DRIVES. JFORMAT-2

also supports eight-inch diskette drives mounted externally. This option requires the use of a special controller card available from several sources. Three formats are supported, providing capacities as large as 1.25 megabytes per diskette. JFORMAT-2, delivered with the source code for the drivers and the listing, is available now.